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120ruary 7, 2003

Denise Sheridan

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Timothy B. Cowles et al.

Attorney Docket No.: 500792.03

Serial No. : 10/043,680

Group Art Unit : 2824

Filed : January 10, 2002

Examiner

: Van Thu T. Nguyen

Confirmation No. : 9219

Date of Notice

of Allowance

: January 15, 2003

Title

: REFRESH CONTROLLER AND ADDRESS REMAPPING CIRCUIT AND METHOD

FOR DUAL MODE FULL/REDUCED DENSITY DRAMS

Box Issue Fee Commissioner of Patents Washington, DC 20231

AMENDMENT AFTER ALLOWANCE (UNDER 37 C.F.R. § 1.312)

Sir:

Applicants acknowledge receipt of the Notice of Allowance dated January 15,

2003.

In the Specification:

Please replace the paragraph beginning at page 16, line 26, with the following rewritten paragraph:

As mentioned above, the column address buffers 34 are designed to remap one of the row address to a column address so that the SDRAM 20 is plug compatible with SDRAMs adapted to receive row addresses for M rows and column addresses for N/2 columns. With

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TELEPHONE #: (206) 903-8795 EMAIL: temp-pogson@dorsey.com

COMMENTS: FURTHER TO OUR CONVERSATION, PLEASE FIND ATTACHED A COPY OF THE AMENDMENT AFTER ALLOWANCE AND A COPY OF THE DATE STAMPED POST CARD SHOWING THAT THE AMENDMENT WAS RECEIVED BY THE PTO ON FEBRUARY 13, 2003.

SINCERELY,

PHOEBE POGSON

Original will be sent via:	Mail	E-Muil	Messenger	Air Courier	[X] Will not be sent
19 May 15					

PLEASE CONTACT PHOEBE POGSON AT 8795, IF THIS TRANSMISSION IS INCOMPLETE OR CANNOT BE READ. Reference # 446602-1698

500792.03 EWB:dms

Box Issue Fee

Commissioner for Patents Washington, DC 20231

SENT: February 7, 2003

DUE: N/A

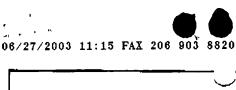
Kindly acknowledge receipt of the below-listed documents by placing your receiving stamp hereon and mailing:

Fee Transmittal Sheet (+ copy); Amendment After Allowance; in re: Timothy B. Cowles et al., USAN 10/043,680, filed January 10, 2002, allowed January 15, 2003, for REFRESH CONTROLLER AND ADDRESS REMAPPING CIRCUIT AND METHOD FOR DUAL MODE/FULL REDUCED DENSITY DRAMS.

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DORSEY & WHITNEY LLP





FEE TRANSMITTAL SHEET (FOR FY 2002)		c_iplete if Known				
		Application No.		10/043,680		7
		Filing Date	Fifing Date January 10, 2002		ry 10, 2002	7
		First Named Inventor		Timothy B. Cowles et al.		2
		Group Art Unit		2824		<u>र</u> ू
		Examiner		Van Thu T. Nguyen		32
			Atty. Docket Number		500792.03	
METHOD OF PAYMENT (FEE CALCULATION (Continued)					
1. [X] The Commissioner is hereby auth		3. ADDITION				
additional fee required under 37 C.F.R. §§ 1.136(a)(3) and credit any over payments t	o Deposit Account	Large Entity Fee. Fee	Small t	Entity Fee		<u>-</u>
No.: 50-1266; Deposit Account Name: DO	RSEY & WHITNEY LLP	Code (\$	Code	(\$)	Fee Description	Fee paid
2. T Check Enclosed		30 . 205 	, 65	Surcharge - Late filing fee or oath Surcharge - late provisional filing fee		
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	\$ 5-16. VS 2 11.	30 (139)	6 130	Non-English specification	5	
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740 200 370 U	tility Filing Fee	118 4	DO 12181	200	Extension for reply within 2 rd month	\$
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		1	0 1 126	180	applications Submission of IDS	
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Submitted by:

Name: Edward Wy Bulchis Reg. No.: 26,847 Telephone: (206) 903-8800 6, 2003 FILE COPY Date:

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